<u>IN THE CLAIMS</u>

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

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1. (Currently Amended) ~~Method~~ <u>A method</u> of compressing a digital format in which information representing a physical quantity is accompanied by predictable data ~~and whose~~ <u>having a</u> value ~~is~~ independent of that of the information representing a physical quantity, ~~characterised in that it includes~~ <u>comprising</u> an operation ~~(1103)~~ of reducing the number of ~~said~~ <u>the</u> predictable data, the data and information representing a physical quantity resulting from this reduction operation being capable of allowing the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with the ~~said~~ digital format.

2. (Currently Amended) ~~Compression~~ <u>The</u> method according to Claim 1, ~~characterised~~ in ~~that~~ <u>which</u> the reduction operation ~~(1103)~~ includes:

= a step of removing predictable data, and

= a step of inserting ~~so-called~~ substitution data, ~~whose~~ <u>having a</u> number ~~is~~ less than the number of data removed during ~~the~~ <u>said</u> removal step.

3. (Currently Amended) ~~Compression~~ <u>The</u> method according to Claim 2, the digital format including successive repetitions <u>at least one</u> of data ~~and/or~~ <u>and an</u> iterative series of data, ~~characterised~~ in ~~that~~ <u>which:</u>

= during the removal operation (1103), at least two data items of ~~said~~ the repetitions or ~~said~~ the series are removed, and

= during the insertion operation, at least one data item of ~~said~~ the repetitions or ~~said~~ the series is inserted, in a header relating to all the information to be transmitted.

4. (Currently Amended) ~~Compression~~ The method according to either one of Claims 2 or 3, ~~characterised~~ in ~~that~~ which, during the removal operation (1103), reserved data are removed.

5. (Currently Amended) ~~Compression~~ The method according to any one of Claims 2 or 3, ~~characterised~~ in ~~that~~ which, during the removal operation (1103), identifiers of parts of a set of data are removed.

6. (Currently Amended) ~~Compression~~ The method according to Claim 5, ~~characterised~~ in ~~that~~ which, during the operation of inserting ~~so-called~~ the substitution data, an identifier for at least one of the parts of ~~said~~ the set of data is inserted.

7. (Currently Amended) ~~Compression~~ The method according to any one of Claims 1 to 3, ~~characterised~~ in ~~that~~ which the ~~said~~ format is the DV format.

8. (Currently Amended) ~~Compression~~ The method according to any one of Claims 1 to 3, ~~characterised in that it includes~~ further comprising an operation of

- 5 -

transmitting at a distance data resulting from the reduction operation, over a wireless

transmission channel.

9. (Currently Amended) ~~Compression~~ The method according to any one of

Claims 1 to 3, ~~characterised in that it includes~~ further comprising an operation of inserting

data and information resulting from ~~said~~ the reduction operation, in a frame corresponding

to a wireless communication protocol.

10. (Currently Amended) ~~Compression~~ The method according to Claim 8,

~~characterised in that it includes~~ further comprising an operation of transmitting at a

distance data resulting from the reduction operation, over a radio transmission channel.

11. (Currently Amended) ~~Compression~~ The method according to Claim 8,

~~characterised in that it includes~~ further comprising an operation of transmitting at a

distance data resulting from the reduction operation, over an optical transmission channel.

12. (Currently Amended) ~~Compression~~ The method according to any one

of Claims 1 to 3, ~~characterised in that it includes~~ further comprising an operation of

recording, on a data medium, data resulting from the reduction operation.

13. (Currently Amended) ~~Compression~~ The method according to any one

of Claims 1 to 3, ~~characterised in that it includes~~ further comprising, as a preliminary to

~~said~~ the reduction operation, an operation of reading predictable data and information

representing a physical quantity, <u>and</u> an operation performed by a reading of data in the DIF format.

14. (Currently Amended) ~~Compression~~ <u>The</u> method according to any one of Claims 1 to 3, ~~characterised in that it includes~~ <u>further comprising</u>, as a preliminary to ~~said~~ <u>the</u> reduction operation, an operation of reading predictable data and information of representing a physical quantity, on an IEEE 1394 bus.

15. (Currently Amended) ~~Data~~ <u>A data</u> and information processing method <u>in which a physical quantity is represented by a predetermined quantity of data and information</u>, ~~characterised in that it includes~~ <u>the method comprising the steps of:</u>

   =   ~~an operation of~~ estimating ~~the~~ <u>a</u> need to reduce ~~the~~ <u>a</u> quantity of data and information representing a physical quantity, and

   =   when ~~the said~~ reduction is necessary, implementing a compression method ~~as briefly disclosed above~~ <u>according to any one of Claims 1 to 3</u>.

16. (Currently Amended) ~~Processing~~ <u>The</u> method according to Claim 15, ~~characterised in that it also includes~~ <u>further comprising:</u>

   =   an operation of estimating ~~the~~ <u>a</u> need for compression of information representing a physical quantity, and

   =   when ~~said~~ <u>the</u> compression is necessary, an operation of compressing the information representing a physical quantity.

17. (Currently Amended) ~~Method~~ A method for transmitting information representing a physical quantity, <u>wherein the information is accompanied by predictable data, according to a predetermined digital format,</u> ~~characterised in that it includes~~ <u>the method comprising</u>:

= an operation of reducing the number of ~~said~~ <u>the</u> predictable data, the data and information representing a physical quantity resulting from this reduction operation being able to allow ~~the~~ reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with ~~said~~ <u>the</u> digital format,

= an operation of receiving ~~said~~ <u>the</u> information and ~~said~~ <u>the</u> data resulting from the reduction operation,

= an operation of reconstituting predictable data in accordance with ~~said~~ <u>the</u> digital format, ~~said~~ <u>the</u> reconstituted predictable data representing ~~said~~ <u>the</u> received data and being independent of ~~said~~ <u>the</u> information and greater in number than the number of data items received, and

= an operation of ~~organising said~~ <u>organizing the</u> reconstituted predictable data and ~~said~~ <u>the</u> information, in accordance with ~~said~~ <u>the</u> digital format.

18. (Currently Amended) ~~Method~~ A method of recording information representing a physical quantity, ~~characterised in that it includes~~ <u>comprising</u>:

= an operation of reducing the number of ~~said~~ <u>the</u> predictable data, the data and information representing a physical quantity resulting from this reduction operation being able to allow the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with ~~said~~ <u>the</u> digital format,

- 8 -

=   an operation of recording data and information representing a

physical quantity resulting from this reduction operation, on a recording medium,

=   an operation of reading ~~said~~ the information and ~~said~~ the data

resulting from the reduction operation, on ~~said~~ the recording medium,

=   an operation of reconstituting predictable data in accordance

with ~~said~~ the digital format, ~~said~~ the reconstituted predictable data representing ~~said~~ the

read data and being independent of ~~said~~ the information and greater in number than the

number of received data, and

=   an operation of ~~organising said~~ organizing the reconstituted

predictable data and ~~said~~ the information, in accordance with ~~said~~ the digital format.

19. (Currently Amended) ~~Method~~ The method according to Claim 18,

~~characterised in that it includes~~ further comprising an operation of determining ~~the~~ a

reduction mode, during which at least one of the data items ~~and/or~~ and information items to

be transmitted is taken into account in order to determine a reduction mode and ~~in that,~~

during the reduction operation, the reduction mode determined during the reduction mode

determination operation is used.

20. (Currently Amended) ~~Method~~ The method according to any one of

Claims 18 or 19, ~~characterised~~ in which ~~that~~ the data resulting from the reduction operation

includes at least one data item representing a reduction mode used during the operation of

reducing at least one of the predictable data ~~and/or~~ and the transmitted information.

21. (Currently Amended) ~~Method~~ A method of receiving information representing a physical quantity accompanied by data ~~whose~~ having a value ~~is~~ independent of that of ~~said~~ the information, ~~said~~ the information and data being intended to be conformed according to a predetermined digital format, ~~characterised in that it includes~~ comprising:

= an operation of reading at least part of ~~said~~ the received data,

= an operation of determining predictable data representing the received data and ~~whose~~ having a value ~~is~~ independent of that of the information, ~~said~~ the predictable data being greater in number than the number of received data, and

= an operation of ~~organising said~~ organizing the predictable data and ~~said~~ the information, ~~said organisation~~ the organization being in accordance with ~~said~~ the digital format and causing predictable data and information to alternate.

22. (Currently Amended) ~~Method~~ A method of receiving information representing a physical quantity, ~~organised~~ organized in accordance with a first structure including ~~said~~ the information and ~~so-called "structural"~~ structural data, in frames in accordance with a second structure and also including complementary data, ~~characterised in that it includes~~ comprising:

= an operation of marking ~~said~~ the information in ~~said~~ the frames, ~~and~~

= an operation of marking ~~said~~ the structural data in ~~said~~ the frames,

- 10 -

=   an operation of determining ~~so-called "predictable"~~ predictable data ~~whose~~ having a value ~~is~~ independent of ~~said~~ the information and ~~said~~ the complementary data, ~~said~~ the predictable data representing structural data, and

=   an operation of ~~organising~~ organizing, in accordance with a third structure, ~~said~~ the information and ~~said~~ the predictable data.

23. (Currently Amended) ~~Method~~ The method of receiving information according to Claim 22, ~~characterised~~ in which ~~that~~, during the marking operation, the second structure is that of a wireless transmission protocol.

24. (Currently Amended) ~~Method~~ The method of receiving information according to either one of Claims 22 or 23, ~~characterised~~ in which ~~that~~, during the ~~organisation~~ organization operation, the third structure is that of a protocol for transmitting or storing digital images.

25. (Currently Amended) ~~Method~~ A method of transmitting information representing a physical quantity, ~~characterised in that it includes~~ comprising:

=   an operation of determining data intended to accompany ~~said~~ the information, ~~data whose~~ having a value ~~is~~ independent of that of ~~said~~ the information,

=   an operation of sending or storing ~~said~~ the information and ~~said~~ the data,

=   an operation of receiving or reading, respectively, ~~said~~ the information representing a physical quantity, accompanied by ~~said~~ the data,

- 11 -

=   an operation of reading at least part of ~~said~~ <u>the</u> received data,

=   an operation of determining predictable data representing

received data and ~~whose~~ <u>having a</u> value ~~is~~ independent of that of the information, ~~said~~ <u>the</u>

predictable data being greater in number than the number of received data, and

=   an operation of ~~organising said~~ <u>organizing the</u> predictable

data and ~~said~~ <u>the</u> information, ~~said organisation~~ <u>the organization</u> being in accordance with

~~said~~ <u>the</u> digital format alternating predictable data and information.

26.   (Currently Amended) ~~Device for~~ <u>A device</u> compressing a digital format

in which information representing a physical quantity is accompanied by predictable data

~~whose~~ <u>having a</u> value ~~is~~ independent of that of the information representing a physical

quantity, ~~characterised in that it includes a~~ <u>comprising</u> means ~~of~~ <u>for</u> reducing the number of

~~said~~ <u>the</u> predictable data, the data and information representing a physical quantity

resulting from this reduction being able to allow the reconstitution of predictable data

accompanying the information representing a physical quantity, in accordance with ~~said~~ <u>the</u>

digital format.

27.   (Currently Amended) ~~Compression~~ <u>The</u> device according to Claim 26,

~~characterised~~ in ~~that~~ <u>which</u> the reduction means has:

=   a means ~~of~~ <u>for</u> removing predictable data, and

=   a means ~~of~~ <u>for</u> inserting ~~so-called~~ substitution data, ~~whose~~

<u>having a</u> number ~~is~~ less than the number of data removed by the removal means.

- 12 -

28. (Currently Amended) ~~Compression~~ The device according to Claim 27, the digital format containing successive repetitions of data and/or iterative series of data, ~~characterised~~ in ~~that~~ which:

= the removal means is adapted to remove at least two data of ~~said~~ the repetitions or ~~said~~ the series, and

= the insertion means is adapted to insert at least one data of ~~said~~ the repetitions or ~~said~~ the series, in a header relating to all the information to be transmitted.

29. (Currently Amended) ~~Compression~~ The device according to either one of Claims 27 or 28, ~~characterised~~ in ~~that~~ which the removal means is adapted to remove reserved data.

30. (Currently Amended) ~~Compression~~ The device according to any one of Claims 27 or 28, ~~characterised~~ in ~~that~~ which the removal means is adapted to remove identifiers of parts of a set of data.

31. (Currently Amended) ~~Compression~~ The device according to Claim 30, ~~characterised~~ in ~~that~~ which the means of inserting ~~so-called~~ the substitution data is adapted to insert an identifier for at least one of the parts of ~~said~~ the set of data.

32. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised~~ in ~~that said~~ which the format is the DV format.

33. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised in that it includes a~~ further comprising means ~~of~~ for transmitting at a distance data resulting from ~~said~~ the reduction, over a wireless transmission channel.

34. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised in that it includes a~~ further comprising means ~~of~~ for inserting data and information resulting from ~~said~~ the reduction, in a frame corresponding to a wireless communication protocol.

35. (Currently Amended) ~~Compression~~ The device according to Claim 33, ~~characterised in that it includes a~~ further comprising means ~~of~~ for transmitting at a distance data resulting from ~~said~~ the reduction, on a radio transmission channel.

36. (Currently Amended) ~~Compression~~ The device according to Claim 33, ~~characterised in that it includes a~~ further comprising means ~~of~~ for transmitting at a distance data resulting from ~~said~~ the reduction, on ~~a~~ an optical transmission channel.

37. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised in that it includes a~~ further comprising means ~~of~~ for recording, on a data medium, data resulting from ~~said~~ the reduction.

38. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised in that it includes a~~ further comprising means ~~of~~ for reading data in the DIF format.

39. (Currently Amended) ~~Compression~~ The device according to any one of Claims 26 to 28, ~~characterised in that it has~~ further comprising means ~~of~~ for reading on an IEEE 1394 bus.

40. (Currently Amended) ~~Data~~ A data and information processing device, ~~characterised in that it has~~ comprising:

= a means ~~of~~ for estimating the need for reduction in the quantity of data and information representing a physical quantity, and

= a compression device according to any one of Claims 26 to 28,

= the estimation means being adapted to use ~~said~~ the compression device when ~~it considers that said~~ the reduction is necessary.

41. (Currently Amended) ~~Processing~~ The device according to Claim 40, ~~characterised in that it also has~~ further comprising:

= a means ~~of~~ for estimating the need for compression of information representing a physical quantity, and

= a means ~~of~~ for compressing information representing a physical quantity,

=   the estimation means being adapted to use ~~said~~ the

compression device when ~~it considers that said~~ the compression is necessary.

42. (Currently Amended) ~~Device for~~ A device receiving information

representing a physical quantity accompanied by data ~~whose~~ having a value ~~is~~ independent

of that of ~~said~~ the information, ~~said~~ the information and data being intended to be

conformed according to a predetermined digital format, ~~characterised in that it has~~

comprising:

=   a means ~~of~~ for reading at least part of ~~said~~ the received data,

=   a means ~~of~~ for determining predictable data representing

received data and ~~whose~~ having a value ~~is~~ independent of that of the information, ~~said~~ the

predictable data being greater in number than the number of received data, and

=   a means ~~of organising said~~ for organizing the predictable

data and ~~said~~ the information, ~~said organisation~~ the organization being in accordance with

~~said~~ the digital format and causing predictable data and information to alternate.

43. (Currently Amended) ~~Device recording~~ A device recording information

representing a physical quantity, ~~characterised in that it includes~~ comprising:

=   a means ~~of~~ for reducing the number of ~~said~~ the predictable

data, the data and information representing a physical quantity resulting from this reduction

being able to allow the reconstitution of predictable data accompanying the information

representing a physical quantity, in accordance with ~~said~~ the digital format,

    =   a means ~~of~~ <u>for</u> recording data and information representing a physical quantity resulting from this reduction, on a recording medium,

    =   a means ~~of~~ <u>for</u> reading ~~said~~ <u>the</u> information and ~~said~~ <u>the</u> data resulting from the reduction operation, on ~~said~~ <u>the</u> recording ~~medium:~~ <u>medium,</u>

    =   a means ~~of~~ <u>for</u> reconstituting predictable data in accordance with ~~said~~ <u>the</u> digital format, ~~said~~ <u>the</u> reconstituted predictable data representing ~~said~~ <u>the</u> read data and being independent of ~~said~~ <u>the</u> information and greater in number than the number of received data, and

    =   a means ~~of organising said~~ <u>for organizing the</u> reconstituted predictable data and ~~said~~ <u>the</u> information, in accordance with ~~said~~ <u>the</u> digital format.

44. (Currently Amended) ~~Device for~~ <u>A device</u> decompressing information representing a physical quantity ~~organised~~ <u>organized</u> in a first structure including ~~said~~ <u>the</u> information and ~~so-called "structural"~~ <u>structural</u> data, in frames in accordance with a second structure and also including complementary data, ~~characterised in that it has~~ <u>comprising</u>:

    =   a marking means, ~~adapted:~~ • to mark ~~said~~ <u>the</u> information in said <u>the</u> frames, and • to mark ~~said~~ <u>the</u> structural data in ~~said~~ <u>the</u> frames,

    =   a means ~~of~~ <u>for</u> determining ~~so-called "predictable"~~ predictable data ~~whose~~ <u>having a</u> value ~~is~~ independent of ~~said~~ <u>the</u> information and ~~said~~ <u>the</u> complementary data, ~~said~~ <u>the</u> predictable data representing structural data, <u>and</u>

    =   a means ~~of organising~~ <u>for organizing</u>, in a third structure, ~~said~~ <u>the</u> information and ~~said~~ <u>the</u> predictable data.

45. (Currently Amended) ~~Information decompression~~ The device according to Claim 44, ~~characterised~~ in ~~that~~ which the marking means is adapted to mark ~~said~~ the information and ~~said~~ the structural data in a second structure which is that of a wireless transmission protocol.

46. (Currently Amended) ~~Information decompression~~ The device according to either one of Claims 44 or 45, ~~characterised~~ in ~~that~~ which the ~~organisation~~ organization means is adapted to ~~organise said~~ organize the information and ~~said~~ the predictable data in a third structure which is that of a digital image storage or transmission protocol.

47-52. (Canceled)